

CLAIMS

We Claim:

1 1. A method for performing a function on a selected portion of a signal,
2 comprising:

3 marking a start frequency with a band marker;
4 marking a stop frequency with the band marker; and,
5 performing the function on a bandwidth of the signal between the start
6 frequency and the stop frequency.

1 2. A method as in claim 1 wherein the function is one of the following:
2 band power;
3 band power density.

1 3. A method as in claim 1:
2 wherein the start frequency is marked with a left foot of the band marker,
3 the left foot of the band marker being a vertical line; and,
4 wherein the stop frequency is marked with a right foot of the band
5 marker, the right foot of the band marker being a vertical line.

1 4. A method as in claim 1:
2 wherein the start frequency is marked with a left foot of the band marker,
3 the left foot of the band marker being a vertical line;

4 wherein the stop frequency is marked with a right foot of the band
5 marker, the right foot of the band marker being a vertical line; and,

6 wherein the center of the bandwidth of the bandwidth of the signal
7 between the start frequency and the stop frequency is indicated by a center
8 diamond of the band marker.

1 5. A method as in claim 1 additionally comprising:
2 marking a second start frequency with a second band marker;
3 marking a second stop frequency with the second band marker; and,
4 performing a delta band function on a second bandwidth of the signal
5 between the second start frequency and the second stop frequency along with
6 the bandwidth of the signal between the start frequency and the stop frequency.

1 6. A method as in claim 5 wherein the delta band function is one of the
2 following:

3 delta band power;
4 delta band power density.

1 7. A user interface for an electronic instrument, comprising:
2 a display that displays a signal and a band marker, the band marker
3 demarking a bandwidth of the signal by marking both a start frequency of the
4 bandwidth, and a stop frequency of the bandwidth;

5 wherein the electronic instrument performs a function on the bandwidth
6 of the signal between the start frequency and the stop frequency.

1 8. A user interface as in claim 7 wherein the function is one of the
2 following:

3 band power;
4 band power density.

1 9. A user interface as in claim 7:
2 wherein the start frequency is marked with a left foot of the band marker,
3 the left foot of the band marker being a vertical line; and,
4 wherein the stop frequency is marked with a right foot of the band
5 marker, the right foot of the band marker being a vertical line.

1 10. A user interface as in claim 7:
2 wherein the start frequency is marked with a left foot of the band marker,
3 the left foot of the band marker being a vertical line;
4 wherein the stop frequency is marked with a right foot of the band
5 marker, the right foot of the band marker being a vertical line; and,
6 wherein the center of the bandwidth of the bandwidth of the signal
7 between the start frequency and the stop frequency is indicated by a center
8 diamond of the band marker.

1 11. A user interface as in claim 7 wherein the display additionally
2 displays a second band marker, the second band marker demarking a second
3 bandwidth of the signal by marking both a start frequency of the second
4 bandwidth, and a stop frequency of the second bandwidth.

1 12. A user interface as in claim 7 wherein the display additionally
2 displays a second band marker, the second band marker demarking a second
3 bandwidth of the signal by marking both a start frequency of the second
4 bandwidth, and a stop frequency of the second bandwidth;
5 wherein the electronic instrument performs a delta function on the second
6 bandwidth of the signal vis-à-vis the bandwidth of the signal between the start
7 frequency and the stop frequency.

1 13. A user interface as in claim 12 wherein the delta band function is one
2 of the following:
3 delta band power;
4 delta band power density.

1 14. An electronic instrument, comprising:
2 an input means for receiving selections from a user; and,
3 a display means for displaying a signal and a band marker, the band
4 marker demarking a bandwidth of the signal by marking both a start frequency
5 of the bandwidth, and a stop frequency of the bandwidth;

6 wherein the electronic instrument performs a function on the bandwidth
7 of the signal between the start frequency and the stop frequency.

1 15. An electronic instrument as in claim 14 wherein the function is one of
2 the following:

3 band power;
4 band power density.

1 16. An electronic instrument as in claim 14:
2 wherein the start frequency is marked with a left foot of the band marker,
3 the left foot of the band marker being a vertical line; and,
4 wherein the stop frequency is marked with a right foot of the band
5 marker, the right foot of the band marker being a vertical line.

1 17. An electronic instrument as in claim 14:
2 wherein the start frequency is marked with a left foot of the band marker,
3 the left foot of the band marker being a vertical line;
4 wherein the stop frequency is marked with a right foot of the band
5 marker, the right foot of the band marker being a vertical line; and,
6 wherein the center of the bandwidth of the bandwidth of the signal
7 between the start frequency and the stop frequency is indicated by a center
8 diamond of the band marker.

1 18. An electronic instrument as in claim 14 wherein the display means is
2 additionally for displaying a second band marker, the second band marker
3 demarking a second bandwidth of the signal by marking both a start frequency
4 of the second bandwidth, and a stop frequency of the second bandwidth.

1 19. An electronic instrument as in claim 14 wherein the display means is
2 additionally for displaying a second band marker, the second band marker
3 demarking a second bandwidth of the signal by marking both a start frequency
4 of the second bandwidth, and a stop frequency of the second bandwidth;
5 wherein the electronic instrument performs a delta function on the second
6 bandwidth of the signal vis-à-vis the bandwidth of the signal between the start
7 frequency and the stop frequency.

1 20. An electronic instrument as in claim 19 wherein the delta band
2 function is one of the following:
3 delta band power;
4 delta band power density.